

# Ashville Utility Department Monthly Operations Report



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Information Collection  
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## **Water and Sewer Divisions**

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## Ashville Vision Statement

Remembering our rural heritage, Ashville will be a vibrant and friendly community, offering an enhanced quality of life achieved through planning, progress and collaboration.

It will be a welcoming place where people want to live and businesses prosper.



## Utility Purpose Statement

"Quality of Life" will be enhanced by offering the best quality of water to our community and by ensuring that water is returned to Walnut Creek in the best possible condition for our environment.

The Utility Consumer will be treated in a "Friendly Manner". Operations will be done in a manner to cost effective.

Services will be provided in a manner to create a place where people want to live and businesses prosper.





# ACTIVITY REPORT

## Monthly 2015 & YTD Information



### Expenses and Revenue Comparison

#### Water

Description	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD Total	Projected	Budget	Ave	Mean
Water Division Tank Revenue	\$1,954.85	\$1,821.03	\$1,777.09	\$1,564.92	\$1,714.00								\$8,831.89	\$21,196.54	\$30,164.00	\$1,766.38	\$1,777.09
Water Division Total Revenue	\$24,297.51	\$26,378.58	\$26,289.38	\$23,182.92	\$24,365.53								\$124,513.92	\$298,833.41	\$403,653.00	\$24,902.78	\$24,365.53
Water Division Expenses	\$26,514.83	\$32,391.60	\$33,115.53	\$26,612.41	\$49,730.18								\$168,364.55	\$404,074.92	\$500,704.00	\$33,672.91	\$32,391.60
Water Balance	-\$2,217.32	-\$6,013.02	-\$6,826.15	-\$3,429.49	-\$25,364.65								-\$43,850.63	-\$105,241.51	-\$97,051.00	-\$8,770.13	-\$6,013.02

#### Wastewater

Description	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD Total	Projected	Budget	Ave	Mean
Wastewater Division I & I Revenue	\$2,507.58	\$2,322.88	\$2,305.86	\$2,001.45	\$2,205.90								\$11,343.67	\$27,224.81	\$20,296.00	\$2,268.73	\$2,305.86
Debt Service Fee	\$4,581.75	\$4,722.95	\$4,696.61	\$4,020.69	\$4,493.31								\$22,515.31	\$54,036.74	\$0.00	\$4,503.06	\$4,581.75
Wastewater Division Total Revenue	\$50,998.30	\$53,413.33	\$52,374.51	\$46,136.61	\$49,696.55								\$252,619.30	\$606,286.32	\$553,622.00	\$50,523.86	\$50,998.30
Wastewater Division Expenses	\$52,762.16	\$18,963.92	\$33,221.17	\$18,203.30	\$39,730.82								\$162,881.37	\$390,915.29	\$679,439.00	\$32,576.27	\$33,221.17
Wastewater Balance	-\$1,763.86	\$34,449.41	\$19,153.34	\$27,933.31	\$9,965.73								\$89,737.93	\$215,371.03	-\$125,817.00	\$17,947.59	\$19,153.34

#### Stormwater

Description	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD Total	Projected	Budget	Ave	Mean	Measure
Stormwater Division Total Revenue	\$8,162.08	\$7,218.90	\$7,346.29	\$10,371.11	\$6,991.10								\$40,089.48	\$96,214.75	\$88,021.54	\$8,017.90	\$7,346.29	Dollars
Stormwater Division Expenses	\$1,520.32	\$2,285.01	\$2,107.42	\$2,167.42	\$1,273.68								\$9,353.85	\$22,449.24	\$265,200.00	\$1,870.77	\$2,107.42	Dollars
Stormwater Balance	\$6,641.76	\$4,933.89	\$5,238.87	\$8,203.69	\$5,717.42								\$30,735.63	\$73,765.51	-\$177,178.46	\$6,147.13	\$5,717.42	Dollars

1996 Jeep add power steering fluid \$13.16; oil change, replaced power steering pump \$401.94  
 2000 White Chevy oil & filter change, distributor cap & rotor replacement \$184.94



# ACTIVITY REPORT

## Monthly 2014 & YTD Information



### Expenses and Revenue Comparison

#### Water

Description	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD Total	Projected	Budget	Ave	Mean
Water Division Tank Revenue	\$2,395.94	\$1,780.02	\$5,372.80	\$3,085.20	\$1,705.30	\$6,201.61	\$2,316.08	\$1,835.31	\$1,904.38	\$1,991.09	\$1,724.06	\$1,596.81	\$31,908.60	\$31,908.60	\$30,164.00	\$2,659.05	\$1,947.74
Water Division Total Revenue	\$30,457.44	\$26,461.39	\$59,203.61	\$32,332.66	\$27,298.71	\$55,796.74	\$40,591.00	\$25,902.97	\$53,632.73	\$28,208.92	\$27,807.31	\$22,586.89	\$430,280.37	\$430,280.37	\$403,653.00	\$35,856.70	\$29,333.18
Water Division Expenses	\$42,243.49	\$32,364.80	\$22,155.81	\$54,218.94	\$21,535.24	\$49,641.05	\$22,994.43	\$32,932.42	\$31,464.67	\$30,475.28	\$16,158.85	\$35,885.45	\$392,070.43	\$392,070.43	\$462,495.08	\$32,672.54	\$31,914.74
Water Balance	-\$11,786.05	-\$5,903.41	\$37,047.80	-\$21,886.28	\$5,763.47	\$6,155.69	\$17,596.57	-\$7,029.45	\$22,168.06	-\$2,266.36	\$11,648.46	-\$13,298.56	\$38,209.94	\$38,209.94	-\$58,842.08	\$3,184.16	\$1,748.55

#### Wastewater

Description	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD Total	Projected	Budget	Ave	Mean
Wastewater Division I & I Revenue	\$3,269.98	\$2,295.39	\$3,126.31	\$2,242.02	\$2,160.89	\$5,280.06	\$2,458.35	\$2,329.40	\$2,314.83	\$2,592.32	\$2,178.18	\$2,039.37	\$32,287.10	\$32,287.10	\$20,296.00	\$2,690.59	\$2,322.12
Debt Service Fee							\$4,220.63	\$4,510.58	\$4,613.70	\$5,210.07	\$4,474.79	\$4,172.99	\$27,202.76	\$54,405.52	\$0.00	\$4,533.79	\$4,492.69
Wastewater Division Total Revenue	\$45,811.28	\$215,643.56	-\$118,333.03	\$46,551.69	\$46,551.12	\$49,302.76	\$54,349.92	\$53,035.05	\$53,429.93	\$57,709.01	\$51,097.81	\$46,280.10	\$601,429.20	\$601,429.20	\$553,622.00	\$50,119.10	\$50,200.29
Wastewater Division Expenses	\$29,585.23	\$22,589.12	\$20,634.46	\$26,270.47	\$39,576.58	\$141,400.17	\$22,530.15	\$32,850.39	\$27,315.04	\$26,008.74	\$37,774.58	\$96,848.11	\$523,383.04	\$523,383.04	\$629,648.14	\$43,615.25	\$28,450.14
Wastewater Balance	\$16,226.05	\$193,054.44	-\$138,967.49	\$20,281.22	\$6,974.54	-\$92,097.41	\$31,819.77	\$20,184.66	\$26,114.89	\$31,700.27	\$13,323.23	-\$50,568.01	\$78,046.16	\$78,046.16	-\$76,026.14	\$6,503.85	\$18,205.36
Wastewater Plant Expansion	\$3,294.06	\$168,844.00	-\$168,844.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$3,294.06	\$3,294.06	\$0.00	\$274.51	\$0.00

Equipment Maintenance = \$321.68  
 1996 Jeep Maintenance = 611.099  
 2000 Chevy Truck Maintenance = \$38.00  
 1996 Jeep Cherokee = \$200 throttle cable \$205.10  
 2000 Chevy Flat repair and antifreeze \$30.99  
 1996 Jeep Battery replaced and tune up \$203.98

Equipment Maintenance = \$201.71 for John  
 Deer Tractor/Loader  
 2004 Blue Utilities Van = \$8.32  
 2000 Chevy Repair front wheel speed sensor,  
 alternator, drive belt tensioner, fuel fill neck  
 for a \$643.97 total

# Water Division 2015

## Treatment Plant Activity:

Description	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD Total	Projected	Ave	Mean	Measure
Total Gallons Raw Water Pumped:	19.197	17.847	20.199	19.483	19.743								96.469	231.5256	19.29	19.483	MGD
Total Gallons Treated:	17.967	16.593	18.938	18.157	18.238								89.893	215.7432	17.98	18.157	MGD
Total Water Billed	7.119	6.834	6.556	6.562	7.613								34.684023	83.2416552	6.94	6.833949	MGD
Total Gallons to Waste:	1.23	1.254	1.261	1.326	1.505								6.576	15.7824	1.32	1.261	MGD
Average Daily Treated Water:	0.579	0.593	0.611	0.605	0.588								2.976	7.1424	0.60	0.593	MGD
Total Chlorine Used: (disinfection)	398	378	409	378	604								2167	5200.8	433.40	398	Gallons
Average Chlorine used/day:	13	13.5	13	13	19								71.5	171.6	14.30	13	GPD
Average Chlorine Residual:	0.2	0.34	0.21	0.28	0.41								1.44	3.456	0.29	0.28	mg/l
Total Salt used:	25.17	24.96	25.16	25.26	25.21								125.76	301.824	25.15	25.17	Tons
Percentage between Treated & Billed	60.38%	58.81%	65.38%	63.86%	58.26%								61.42%	61.42%	61.34%	60.38%	Percentage

## Test for Distribution:

Description	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD Total	Projected	Ave	Mean	Measure
Average Iron Concentration:	0.17	0.18	0.23	0.22	0.19								0.99	2.376	0.20	0.19	mg/l
Average Manganese Concentration:	0.03	0.03	0.03	0.03	0.03								0.15	0.36	0.03	0.03	mg/l
Average Hardness Concentration:	184	207	230	176	221								1018	2443.2	203.60	207	mg/l
Average Chlorine Residual:	0.52	0.44	0.35	0.29	0.32								1.92	4.608	0.38	0.35	mg/l

## Distribution System Activity:

Description	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD Total	Projected	Ave	Mean	Measure
Meters Installed (Radio Read):	5	3	3	3	0								14	33.6	2.80	3	Each
New Water Tap Inspections:	0	0	0	0	0								0	0	0.00	0	Each
Meter Inspections (Checks)	2	1	1	1	8								13	31.2	2.60	1	Each
Final Reads:	8	15	7	11	13								54	129.6	10.80	11	Each
Meter Reread:	14	5	8	1	10								38	91.2	7.60	8	Each
Monthly Water Shut-offs Notice:	128	94	90	120	104								536	1286.4	107.20	104	Each
Water Shut-off Notice:	0	0	0	0	0								0	0	0.00	0	
Water Shut-offs:	7	1	6	5	0								19	45.6	3.80	5	Each
Water Turn On's:	0	1	3	0	2								6	14.4	1.20	1	Each
Curb Box Repairs:	0	0	0	0	0								0	0	0.00	0	Each
Main Value Repairs	0	0	0	0	0								0	0	0.00	0	
Line Locates:	1	0	2	0	1								4	9.6	0.80	1	Each
Customer Service - Check for Leaks:	0	0	0	0	0								0	0	0.00	0	Each
Customer Service - Miscellaneous	3	9	2	2	2								18	43.2	3.60	2	
Water Breaks:	0	0	0	0	0								0	0	0.00	0	Each
Meter Repairs	0	0	0	0	0								0	0	0.00	0	
Blue Tags Delivered	0	0	0	0	0								0	0	0.00	0	Each
Backflow Surveys/Inspections	0	0	0	0	0								0	0	0.00	0	Each
Frozen Service Intervention	0	0	0	0	0								0	0	0.00	0	
Fire Hydrant Repair	0	0	0	0	0								0	0	0.00	0	Each
Total # Work Orders Completed:	168	129	122	143	140	0	0	0	0	0	0	0	702	702	58.50	0	Each

# Water Division 2014

## Treatment Plant Activity:

Description	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD Total	Projected	Ave	Mean	Measure
Total Gallons Raw Water Pumped:	20.115	18.625	20.463	19.488	20.804	20.19	21.301	21.609	18.154	17.975	17.562	18.41	234.696	234.696	19.56	19.8015	MGD
Total Gallons Treated:	17.397	16.141	17.386	16.482	17.669	16.885	17.589	17.773	16.392	17.068	16.571	17.191	204.544	204.544	17.05	17.1295	MGD
Total Water Billed	10.157	10.721	10.494	7.600	13.013	11.075	12.740	7.664	5.993	7.634	7.011	7.118	111.22	111.22	9.27	8.9105	MGD
Total Gallons to Waste:	2.718	2.484	3.077	3.006	3.135	3.305	3.712	3.863	1.762	0.907	0.991	1.219	30.179	30.179	2.51	2.862	MGD
Average Daily Treated Water:	0.561	0.577	0.561	0.549	0.57	0.563	0.567	0.573	0.546	0.551	0.552	0.555	6.725	6.725	0.56	0.561	MGD
Total Chlorine Used: (disinfection)	500	220	350	370	475	450	480	350	375	400	380	388	4738	4738	394.83	384	Gallons
Average Chlorine used/day:	16.1	8	11	12	15	15	15	11	12.5	13	13	13	154.6	154.6	12.88	13	GPD
Average Chlorine Residual:	0.4	0.5	0.34	0.44	0.48	0.34	0.32	0.34	0.41	0.45	0.32	0.32	4.66	4.66	0.39	0.37	mg/l
Total Salt used:	24.58	24	24.43	49.22	25.27	24.97	24.8	24.64	25.61	25.37	25.42	24.73	323.04	323.04	26.92	24.885	Tons
Percentage between Treated & Billed	41.62%	33.58%	39.64%	53.89%	26.35%	34.41%	27.57%	56.88%	63.44%	55.27%	57.69%	58.59%	45.63%	45.63%	45.74%	47.75%	Percentage

## Test for Distribution:

Description	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD Total	Projected	Ave	Mean	Measure
Average Iron Concentration:	0.33	0.22	0.33	0.23	0.42	0.54	0.39	0.55	0.41	0.21	0.19	0.23	4.05	4.05	0.34	0.33	mg/l
Average Manganese Concentration:	0.04	0.03	0.03	0.03	0.03	0.03	0.04	0.03	0.03	0.03	0.03	0.04	0.39	0.39	0.03	0.03	mg/l
Average Hardness Concentration:	222	208	253	200	277	251	300	257	205	149	197	172	2691	2691	224.25	215	mg/l
Average Chlorine Residual:	0.46	0.44	0.63	0.56	0.53	0.46	0.45	0.49	0.35	0.47	0.41	0.32	5.57	5.57	0.46	0.46	mg/l

## Distribution System Activity:

Description	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD Total	Projected	Ave	Mean
Meters Installed (Radio Read):	0	0	1	6	14	7	4	7	6	7	6	5	63	63	5.25	6
New Water Tap Inspections:	0	0	1	1	0	0	0	0	0	0	1	0	3	3	0.25	0
Meter Inspections (Checks)	0	0	0	0	0	0	0	0	9	4	7	1	21	21	1.75	0
Final Reads:	5	2	8	5	3	10	12	9	7	7	3	6	77	77	6.42	6.5
Meter Reread:	0	3	10	15	9	1	12	9	0	18	7	7	91	91	7.58	8
Monthly Water Shut-offs Notice:	117	84	82	75	100	93	78	58	120	97	79	97	1080	1080	90.00	88.5
Water Shut-off Notice:	0	0	0	0	0	0	10	1	0	0	0	0	11	11	0.92	0
Water Shut-offs:	5	7	19	2	9	3	1	8	18	4	1	4	81	81	6.75	4.5
Water Turn On's:	4	1	6	3	0	1	0	0	7	1	2	2	27	27	2.25	1.5
Curb Box Repairs:	0	0	2	2	0	1	0	2	0	0	0	0	7	7	0.58	0
Main Value Repairs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0
Line Locates:	0	0	2	1	1	0	0	3	2	2	1	1	13	13	1.08	1
Customer Service - Check for Leaks:	1	4	6	0	0	2	0	0	0	0	0	0	13	13	1.08	0
Customer Service - Miscellaneous	0	0	0	10	3	5	2	2	2	4	0	4	32	32	2.67	2
Water Breaks:	0	1	0	1	0	0	1	0	0	0	0	0	3	3	0.25	0
Meter Repairs	0	0	0	3	0	0	0	0	0	0	0	0	3	3	0.25	0
Blue Tags Delivered	0	1	3	1	8	0	0	2	0	1	0	0	16	16	1.33	0.5
Backflow Surveys/Inspections	0	0	0	0	0	0	1	0	0	0	0	0	1	1	0.08	0
Frozen Service Intervention	4	0	0	0	0	0	0	0	0	0	0	0	4	4	0.33	0
Fire Hydrant Repair	0	1	0	0	0	0	0	0	0	0	0	0	1	1	0.08	0
Total # Work Orders Completed:	136	104	140	125	147	134	111	100	171	145	107	127	1547	1547	128.92	130.5

# Water Plant Maintenance

## May:

- Exercised 12 main valves
- 2 new fire hydrants and watch valves installed
- Tour of plant and towers
- Installed new curb box and lid on Long Street
- Replaced blower belt
- Replaced chlorine flow gauge
- Replaced chlorine pump

## June:

## July:



# Water Plant Maintenance

## January:

- New Air Valve and Actuator #2 Filter
- New Air Lines on all four (4) Filters
- SWAP Program completed and submitted to EPA
- Inspections of Long and State Route 752 water main crossings

## February:

## March:

- New hydrant with watch valve installed on Plum Street using “line stops” mapped
- 14 valves exercised East Main, Church, Walnut, Station, Cromley, Scioto, Madison, and Lexington Avenue
- GIS system updated from county mapping.

## April:

- Replaced broken shut off valve in plant
- Water main break and repair
- Flow test on 752 hydrant
- Fire extinguishers inspection
- Rebuilt 2 “ water hydrant
- New furnace in garage
- Exercised 11 main line valves
- Water plant alarm call out twice in April





# Wastewater Division 2015

## Treatment Plant Activity:

Description	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD Total	Projected	Ave	Mean	Measure
Total Rainfall:	2.55	1.35	4.28	4.64	2.25								15.07	36.168	3.01	2.55	Inches
Total Gallons Treated	11.015	9.261	18.041	16.692	8.871								63.88	153.312	12.78	11.02	MGD
Total Wastewater Billed	6.588	6.263	5.900	6.956	6.792								32.499319	77.9983656	6.50	6.588	MGD
Average Daily Treated Water:	0.335	0.331	0.582	0.556	0.286								2.09	5.016	0.42	0.34	MGD
Total Chlorine Used: (disinfection)	0	0	0	0	310								310	744	62.00	0.00	Gallons
Average Chlorine used/day:	0	0	0	0	10								10	24	2.00	0.00	GPD
Average Chlorine Residual:	0	0	0	0	0.017								0.017	0.0408	0.00	0.00	mg/l
Total Bisulfite Used for Dechlor:	0	0	0	0	135								135	324	27.00	0.00	lbs
Average Bisulfite Used /Day:	0	0	0	0	4.36								4.36	10.464	0.87	0.00	lbs
Average Raw (inflow) CBOD/Day:	488.52	508.74	650.42	667.73	432.32								2747.73	6594.552	549.55	508.74	lbs/day
Average CBOD removed/Day:	469.28	481.52	595.09	643.97	421								2610.86	6266.064	522.17	481.52	lbs/day
% Removed CBOD:	96.1	94.7	91.49	96.44	97.38								476.11	1142.664	95.22	96.10	%
Average Raw Total Suspended Solids:	527.75	628.71	672.26	665.42	507.46								3001.6	7203.84	600.32	628.71	lbs/day
Average TSS Removed/Day:	517.76	616.98	633.43	653.22	501.5								2922.89	7014.936	584.58	616.98	lbs/day
% Removed TSS:	98.12	98.13	94.22	98.17	98.82								487.46	1169.904	97.49	98.13	%
Average Daily Dissolved Oxygen:	8.01	8.73	9	10	9.13								44.87	107.688	8.97	9.00	mg/l
Total Sludge Wasted to Digester:	28,580	162,950	31,630	201,460	348,240								772,860	1,854,864	154,572	162,950	Gallons
Total Sludge Land Applied	0	0	0	25.39	0								25.39	60.936	5.08	0.00	Dry Tons
Sludge removed to other facility	0	0	0	0	0								0	0	0.00	0.00	Gallons
Percentage between Treated & Billed	59.81%	67.63%	32.71%	41.67%	76.56%								196.56%	196.56%	55.68%	59.81%	Percentage

## Stream Conditions

Description	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD Total	Projected	Measure
Up Stream Dissolved Oxygen:	11.7	13.7	14	13.8	10								12.64	13.70	mg/l
Up Stream pH:	8.2	8.5	8.5	8.9	8.5								8.52	8.50	s.u.
Up Stream Temperature:	2	2	3	11	21								7.80	3.00	C
Down Stream Dissolved Oxygen:	14.2	12.9	13	13.6	9.9								12.72	13.00	mg/l
Down Stream pH:	8.2	8.5	8.5	8.8	8.4								8.48	8.50	s.u.
Down Stream Temperature	6	4	6	11	21								9.60	6.00	C

## Collection System

Description	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD Total	Projected	Ave	Mean	Measure
New Taps:	0	0	0	0	0								0	0	0	0	Each
Collection Maintenance Calls:	2	0	0	1	1								4	9.6	0.8	1	Each
Located Sewer Taps	0	0	0	2	1								3	7.2	0.6	0	Each
Total Work Orders	2	0	0	3	2								7	16.8	1.4	2	Each

# Wastewater Division 2014

## Treatment Plant Activity:

Description	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD Total	Projected	Ave	Mean	Measure
Total Rainfall:	2.16	1.91	2.56	6.06	4.1	4.24	4.02	2.23	1.69	2.83	1.45	3.57	36.82	36.82	3.07	2.70	Inches
Total Gallons Treated	16,458	16,105	13,65	20,413	17,32	10,402	9,569	9,166	9,29	8,553	7,719	10,161	148,806	148,806	12.40	10.28	MGD
Total Wastewater Billed	6,601	7,024	6,995	6,790	6,311	8,031	6,256	6,782	7,539	6,851	5,500	6,494	81,1737	81,1737	6.76	6.786	MGD
Average Daily Treated Water:	0.531	0.575	0.44	0.68	0.559	0.347	0.309	0.296	0.31	0.276	0.257	0.328	4.908	4.908	0.41	0.34	MGD
Total Chlorine Used: (disinfection)	0	0	0	0	315	300	300	310	300	310	0	0	1835	1835	152.92	150.00	Gallons
Average Chlorine used/day:	0	0	0	0	10	10	10	10	10	10	0	0	60	60	5.00	5.00	GPD
Average Chlorine Residual:	0	0	0	0	0.17	0.022	0.022	0.02	0.02	0.02	0	0	0.274	0.274	0.02	0.01	mg/l
Total Thiosulfate Used for Dechlor:	0	0	0	0	135	131	131	217	210	217	0	0	1041	1041	86.75	65.50	lbs
Average Thiosulfate Used /Day:	0	0	0	0	4.36	4.36	4.36	7	7	7	0	0	34.08	34.08	2.84	2.18	lbs
Average Raw (inflow) CBOD/Day:	451.71	618.62	535.76	680.54	475.53	355.96	399.44	385.73	416.89	431.6	415.82	278.69	5446.29	5446.29	453.86	424.25	lbs/day
Average CBOD removed/Day:	425.14	611.62	522.89	650.77	447.56	346.55	387.6	980.48	401.7	420.67	414.53	262.6	5872.11	5872.11	489.34	422.91	lbs/day
% Removed CBOD:	94.12	98.87	97.6	96	94	97.4	97.03	98.64	96.36	97.47	99.69	94.23	1161.41	1161.41	96.78	97.22	%
Average Raw Total Suspended Solids:	688.64	858.4	908.23	873.37	798.38	515.85	480.62	551.74	626.31	566.25	471.54	425.37	7764.7	7764.7	647.06	596.28	lbs/day
Average TSS Removed/Day:	675.91	851.99	893.07	857.06	769.24	509.34	479.27	547.12	618.59	557.33	397.93	417.5	7574.35	7574.35	631.20	587.96	lbs/day
% Removed TSS:	98.15	99.25	98.33	98.13	96.35	98.74	99.72	99.16	98.59%	98.42%	95.30%	98.15	888.9031	888.9031	74.08	98.15	%
Average Daily Dissolved Oxygen:	8.94	9.13	9.55	8.72	9.13	9.56	8.75	7.97	8.52	11.81	12.35	9.67	114.1	114.1	9.51	9.13	mg/l
Total Sludge Wasted to Digester:	128,840	133,940	263,140	135,490	44,360	25,120	87,130	45,980	182,220	115,770	256,800	199,120	1,617,910	1,617,910	134,826	131,390	Gallons
Total Sludge Land Applied	0	0	0	31.98	12.73	12.73	3.32	0	0	23.67	0	0	84.43	84.43	7.04	0.00	Dry Tons
Sludge removed to other facility	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	Gallons
Percentage between Treated & Billed	40.11%	43.61%	51.25%	33.26%	36.44%	77.21%	65.37%	73.99%	81.15%	80.10%	71.25%	63.91%	183.32%	183.32%	59.80%	64.64%	Percentage

## Stream Conditions

Description	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD Total	Projected	Measure
Up Stream Dissolved Oxygen:	17.3	14	13.3	9.6	9.5	8.7	11.9	8.7	9.4	13	14.9	12	11.86	11.95	mg/l
Up Stream pH:	7.2	7.3	7.4	7.6	7.6	7.6	8.4	8.3	8.4	8.3	8.4	8.4	7.91	7.95	s.u.
Up Stream Temperature:	1	2	6	15	22	19	23	23	18	17	10	7	13.58	16.00	C
Down Stream Dissolved Oxygen:	16.5	15.7	13	9.7	9.7	8.7	11.6	8.3	9.2	12.9	14.6	11	11.74	11.30	mg/l
Down Stream pH:	7.2	7.3	7.4	7.6	7.6	7.6	8.4	8.3	8.4	8.2	8.4	8.3	7.89	7.90	s.u.
Down Stream Temperature	3	4	6	15	22	19	22	22	18	17	11	11	14.17	16.00	C

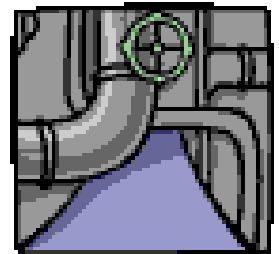
## Collection System

Description	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD Total	Projected	Ave	Mean
New Taps:	1	0	0	0	0	0	0	0	0	1	0	0	2	2	0.16666667	0
Collection Maintenance Calls:	4	1	1	4	2	2	0	0	0	1	1	0	16	16	1.33333333	1
Located Sewer Taps	0	0	0	0	0	0	0	0	2	0	0	1	3	3	0.25	0
Total Work Orders	5	1	1	4	2	2	0	2	2	2	1	1	21	21	1.75	1.5

# Wastewater Plant Maintenance

## May:

- Greased all mechanical equipment and recorded in maintenance log
- Level probes and cleaned at Ashton Crossing Lift Station and Ashton Woods Lift Station
- Installed rebuilt Hydromatic pump in RAS mud well
- Alarm and power issue at the Ashton Crossing Lift Station – repaired without incident
- Main line cleaning and inspection on East, Glen, and Walnut Street



# Wastewater Plant Maintenance

## January:

- Greased all mechanical equipment and recorded in maintenance log
- Level probes and cleaned at Ashton Crossing Lift Station and Ashton Woods Lift Station

## February:

- Greased all mechanical equipment and recorded in maintenance log
- Level probes and cleaned at Ashton Crossing Lift Station and Ashton Woods Lift Station
- South Final Clarifier broke shear pin – drained-pulled shingles out –back in service
- Flow meter calibrated by SCADA Tech – NPDES Requirement
- RAS hydromatic pump pulled and taken for repair

## March:

- Greased all mechanical equipment and recorded in maintenance log
- Level probes and cleaned at Ashton Crossing Lift Station and Ashton Woods Lift Station
- Installed rebuilt Flyght RAS pump
- Fuel line for air compressor \$5.44

## April:

- Greased all mechanical equipment and recorded in maintenance log
- Level probes and cleaned at Ashton Crossing Lift Station and Ashton Woods Lift Station
- Cleaned chlorine tank - ready for disinfection season
- Repaired plant digester blower – electrical issue

